Index of Claims



Application/Control No.

10/810,523

Examiner

Alvin C. Chin-Shue

Applicant(s)/Patent under Reexamination

PRATER, STEPHEN J.

**Art Unit** 

3634

| <b>√</b> | Rejected |
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| _        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Claim    | Γ  |          |   |              | Date   | <br>∋    |          |                |  |   | Cla     | aim      |          |   |              |          | Date     | <br>e        |  | _ |
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| Final    | 3.6.00                                       |          |   |              |  |          |          |                |  |   | Final   | Original |          |   |              |          |          |              |  |   |
| V 1      |  |          |   |              |  |          |          |                |  |   |         | 51       |          |   | •            |          |          |              |  |   |
| j 2      |  |          |   |              |  |          |          |                |  |   |         | 52       |          |   |              |          |          |              |  |   |
| 3        |  |          |   |              |  |          |          |                |  |   |         | 53       |          |   |              |          |          |              |  |   |
| 4        |  |          |   | <u> </u>     |  | L        | _        |                |  |   |         | 54       |          |   |              |          |          |              | <u> </u>   | L |
| 5        |  |          |   | L            | L  |          |          |                |  |   |         | 55       |          |   |              |          |          |              |  | L |
| 6        |  |          |   |              |  |          |          |                |  |   |         | 56       |          |   |              |          |          |              |  |   |
| 7        |  |          |   |              | _  | _        |          |                |  |   |         | 57       |          |   |              |          |          | L            | <u> </u>   | L |
| / 8      |  |          |   | _            |  | _        |          |                |  |   |         | 58       |          |   |              |          |          |              | <u> </u>   | L |
| 1 9      |  |          |   | _            |  | <u></u>  |          |                |  |   |         | 59       |          |   |              |          |          |              | L  | L |
| 10       |  |          |   | _            |  | _        |          |                |  |   |         | 60       |          |   |              |          |          | <u> </u>     | _  | L |
| 11       |  |          |   | L            |  |          |          |                |  |   |         | 61       |          |   |              |          |          | 匚            |  | L |
| 12       |  |          |   | <u> </u>     |  | 匚        |          |                |  |   |         | 62       |          |   |              |          |          | ᆫ            |  | L |
| 13       |  |          |   | _            |  |          | <u> </u> |                |  |   |         | 63       |          |   |              |          |          |              | L  | L |
| 14       |  |          |   | <u></u>      |  | L_       | L        |                |  |   |         | 64       |          |   |              | Ш        | <u> </u> |              | _  | L |
| 15       | <u>.                                    </u> |          |   | L            | L  |          | Ŀ        |                | _  |   |         | 65       |          |   |              |          | L.       |              | <u> </u>   | L |
| 16       |  |          |   |              |  |          | _        | <u> </u>       | _  |   |         | 66       |          |   |              | _        |          | _            | <u> _</u>  | Ļ |
| 17       |  |          |   | _            | L.   |          |          | ╙              | L  |   |         | 67       |          |   |              |          | ļ        | _            | L_   | L |
| 18       |  |          |   | _            |  | _        | _        |                | ļ.,  |   |         | 68       |          |   |              | _        | <u> </u> | <u> </u>     |  | L |
| 19       | ┖  |          |   | _            | _  | L        |          | L              |  |   |         | 69       |          |   |              | _        |          | _            | _  | L |
| 20       | <u> </u>                                     |          |   |              | _  |          |          | <u>L</u>       | _  |   |         | 70       |          |   |              | _        | <u> </u> | _            | <u> </u>   | Ļ |
| 21       | lacksquare                                   |          |   | _            |  | _        |          | <u>_</u>       | _  |   |         | 71       |          |   |              | _        |          | _            | _  | Ļ |
| 22       | L  |          |   | ļ            |  | <u> </u> | _        | _              | _  |   |         | 72       |          |   | _            | <u> </u> | <u> </u> | _            | <u> </u>   | ╀ |
| 23       | ┡  | _        |   | ļ            | _  | _        |          |                | _  |   |         | 73       |          |   |              | _        | <u> </u> | L_           | L.   | ļ |
| 24       |  |          |   | <u> </u>     | _  | <u> </u> | ļ        | <u> </u>       | L  |   |         | 74       |          |   |              | <u> </u> | <u> </u> | <u> </u>     | <u> </u>   | - |
| 25       |  |          |   | ┡            |  | <u> </u> | _        | <u> </u>       |  |   |         | 75       |          |   |              | <u> </u> | _        | <u> </u>     | ļ  | ╀ |
| 26       | ļ.   |          |   | _            |  |          |          | _              | _  |   |         | 76       |          |   |              | <u> </u> | <u> </u> | <u> </u>     | L.   | ╀ |
| 27       |  |          |   | <u> </u>     | <b>—</b>   | L        | _        | _              | _  |   |         | 77       |          |   | _            | -        | <u> </u> | <u> </u>     | _  | ╀ |
| 28       |  |          |   | <u> </u>     | _  | <b> </b> | ├—       | _              | _  |   |         | 78       |          |   |              | -        | <u> </u> | ⊢            | <u> </u>   | ╄ |
| 29       | ┝  |          |   | ├-           | <u> </u>   | ┡        | <u> </u> | _              | <u> </u>   |   |         | 79       | -        |   |              | <u> </u> | _        | _            | _  | ╀ |
| 30       | ┝  |          |   | <u> </u>     | <u> </u>   | <u> </u> |          | <u> </u>       |  |   |         | 80       | -        |   |              | ┝        | <u> </u> | <u> </u>     | <u> </u>   | ╀ |
| 31       | $\vdash$                                     |          | _ | <u> </u>     | -  | -        | <u> </u> | ├              | _  |   |         | 81       | _        |   | _            |          | <u> </u> | $\vdash$     | _  | ╀ |
| 32       | ├  |          |   |              | 1  | <u> </u> | ├—       | _              | <u> </u>   | l |         | 82       |          |   | _            | <u> </u> | <u> </u> | ⊢            | <del> </del>                                     | ╀ |
| 33       | ⊢  | _        | _ | <del> </del> | -  | -        |          | _              | <u> </u>   |   |         | 83       | _        |   |              | <u> </u> | <u> </u> | _            |  | ╀ |
| 34       | <u> </u>                                     |          | _ | <u> </u>     | _  | <u> </u> | ├-       | ⊢              | ļ  |   |         | 84       |          |   | _            | <u> </u> | ┝        | ⊢            | -  | ╀ |
| 35       | ├-   |          |   | ├            | <b>—</b>   | -        | ├—       | -              | ⊢  |   |         | 85       |          |   | _            | ⊢        | ├        | -            | <del> </del>                                     | ╀ |
| 36<br>37 | ⊢  | _        | _ | $\vdash$     | -  | -        | -        |                | ├-   |   |         | 86       |          |   | _            | -        | <u> </u> | _            |  | ╀ |
| 38       | $\vdash$                                     |          | _ | -            | _  | -        | $\vdash$ | $\vdash$       |  |   |         | 87       |          | _ | _            |          |          | ⊢            | ⊢  | ╁ |
| 39       | ⊢  |          | _ | ⊢            | ⊢  | ⊢        |          | $\vdash$       |  |   |         | 88       | -        |   |              |          | ├─       | ┢            | ├  | ╁ |
| 40       | $\vdash$                                     |          |   | ⊢            | -  | ├        |          | -              | -  |   |         | 89       |          |   | -            |          | ├        | ┢            | ├  | ╁ |
| 41       | $\vdash$                                     |          | _ | ⊢            | ⊢  | $\vdash$ | H        | ⊢              | -  |   | -       | 90<br>91 | -        |   | _            | ┝╌       |          | -            | ⊢  | ╁ |
| 42       | -  | -        | _ | ⊢            | ┢  | -        | ┢        | ⊢              | -  |   |         |          |          |   | <u> </u>     | -        | ├        | ⊢            | ⊢  | ╁ |
| 42       |  | H        | _ | $\vdash$     | $\vdash$   | $\vdash$ | ├        | ╁              | <del> </del>                                     | 1 | ļ.—     | 92<br>93 | Н        |   | <u> </u>     | -        | $\vdash$ | $\vdash$     | ├  | + |
| 43       | Η.   | $\vdash$ | - |              | $\vdash$   | -        | ┢        | $\vdash$       | <del>                                     </del> |   | ļ       | 94       | -        |   | _            | -        |          | +-           | ⊢  | + |
| 45       | $\vdash$                                     | H        | - | ├            | ┢  | -        | -        | $\vdash$       | $\vdash$   | 1 |         | 95       |          |   | -            | -        | $\vdash$ | -            | ├-   | ╁ |
| 46       | $\vdash$                                     | H        | - | -            | <del>                                     </del> | -        | -        | $\vdash$       | $\vdash$   |   | L       | 96       | $\vdash$ |   | <del>-</del> |          | $\vdash$ | $\vdash$     | <del>                                     </del> | t |
| 46       | -  |          | Ь | ├            | $\vdash$   | $\vdash$ | -        | ╁              | -  | 1 |         | 97       | $\vdash$ | _ | _            | ├        | ├        | -            | ⊢  | ╁ |
| 48       | -  | $\vdash$ | _ | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$       | $\vdash$   | 1 | <b></b> | 98       | $\vdash$ |   | -            |          | $\vdash$ | ┢            | <del> </del>                                     | ╁ |
| 49       | 1-   | -        | - | <del> </del> | -  | -        | +        | <del>  -</del> | -  | ł |         | 99       | $\vdash$ |   | <del> </del> | -        | $\vdash$ | -            | <del> </del>                                     | t |
| 50       | $\vdash$                                     | $\vdash$ | - | ├-           | $\vdash$   | $\vdash$ | $\vdash$ | ├              | $\vdash$   | 1 |         | 100      | $\vdash$ |   | -            | $\vdash$ | ⊢        | <del> </del> | ⊢  | t |
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| Final    | Original                   |   |               |              |  |              |  |  |               |          |
|          | 51                         |   | $\overline{}$ | •            |  |              |  |  |               | -        |
|          | 51<br>52                   |   |               | _            | _  |              |  |  |               |          |
| <u> </u> | 53                         |   |               |              | $\vdash$   |              |  |  |               |          |
|          | 53<br>54<br>55             |   | _             | _            | $\vdash$   |              |  |  |               |          |
| -        | 55                         |   |               |              |  |              |  |  |               |          |
|          | 56                         |   |               |              |  |              |  |  |               |          |
|          | 57                         |   |               |              |  |              |  |  |               |          |
|          | 58                         |   | -             | _            |  |              |  |  |               | _        |
|          | 58<br>59                   | _ | _             |              |  | _            |  |  |               |          |
|          | 60                         |   |               |              |  |              | _  |  |               |          |
|          | 60<br>61<br>62<br>63       |   |               |              |  |              | Н  |  |               |          |
|          | 62                         |   |               |              | $\vdash$   | $\vdash$     | Н  | $\vdash$   |               |          |
|          | 63                         |   |               |              | _  | -            | $\vdash$   | _  |               |          |
|          | 64                         | _ | _             |              | $\vdash$   |              | -  | $\vdash$   |               | _        |
|          | 64<br>65                   |   | $\vdash$      | $\vdash$     |  |              |  | $\vdash$   |               | $\vdash$ |
|          | 66                         |   | $\vdash$      | <del> </del> |  | <del> </del> | <u> </u>   | <del>                                     </del> | Н             | -        |
|          | 67                         | - |               | ┢╾           | 1  | -            | $\vdash$   | $\vdash$   | _             | _        |
|          | 68                         | Н | _             | -            | -  | -            | $\vdash$   | _  |               |          |
|          | 69                         |   |               |              | $\vdash$   | $\vdash$     |  | $\vdash$   | $\vdash$      | ┢        |
|          | 69<br>70<br>71             | _ |               | $\vdash$     | $\vdash$   | $\vdash$     |  | $\vdash$   |               | Ι        |
|          | 71                         | _ |               | $\vdash$     | $\vdash$   | $\vdash$     | <del>                                     </del> | <del> </del>                                     |               |          |
|          | 72                         |   |               |              | $\vdash$   | -            | ┢  | ┝  |               | ┢        |
|          | 73                         |   |               |              | <del>                                     </del> | $\vdash$     | $\vdash$   | $\vdash$   |               |          |
|          | 74                         |   |               | $\vdash$     |  | ┢╌           | $\vdash$   |  |               |          |
| -        | 75                         |   |               | _            | $\vdash$   | $\vdash$     | <del> </del>                                     |  | -             |          |
|          | 72<br>73<br>74<br>75<br>76 |   |               |              | 1  | $\vdash$     |  |  |               |          |
|          | 77                         |   | -             | ┢            | _  | $\vdash$     | $\vdash$   |  |               | _        |
|          | 77<br>78<br>79             |   |               | $\vdash$     |  | $\vdash$     | $\vdash$   |  |               |          |
|          | 79                         |   |               |              | _  |              | Т  |  |               |          |
|          | 80                         |   |               |              |  |              |  |  |               |          |
|          | 80<br>81                   | _ |               |              |  |              |  |  |               |          |
|          | 82                         |   |               |              |  | $\vdash$     | $\vdash$   | Г  |               |          |
|          | 83<br>84<br>85             |   |               |              |  | $\vdash$     | $\vdash$   |  |               |          |
|          | 84                         |   |               |              |  |              |  |  |               |          |
|          | 85                         |   |               | $\vdash$     |  |              |  | Г  |               |          |
|          | 86                         |   |               | $\vdash$     | Г  | Т            |  |  |               |          |
|          | 86<br>87                   |   |               |              | Ι.   |              |  |  |               |          |
|          | 88                         |   |               |              |  | Г            | Г  | Г  |               |          |
|          | 89                         |   |               |              |  | Г            |  |  |               |          |
|          | 90                         |   |               |              |  |              |  |  |               |          |
|          | 91                         |   |               |              |  |              |  |  |               |          |
|          | 92                         |   |               |              |  |              |  |  |               |          |
|          | 93                         |   |               |              | L  |              | $L^-$  | L  |               |          |
|          | 94                         |   |               |              |  |              |  |  |               |          |
|          | 95                         |   |               |              |  |              |  |  |               |          |
|          | 96                         |   |               |              |  |              |  |  |               |          |
|          | 97                         |   |               | $\Box$       |  |              |  | L  |               |          |
|          | 98                         |   |               |              | _  |              |  |  |               |          |
|          | 99                         |   | L             | <u> </u>     | _  |              | L_   |  |               |          |
|          | 100                        |   | 1             | Ī            | l  | ı            | ı  | ĺ  | l i           | l        |

| Cla      | Date   |          |          |              |                    |                                     |   |          |          |                 |  |
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| Final    | Original   |          |          |              |                    |                                     |   |          |          |                 |  |
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|          | 101  |          |          |              |                    |                                     |   |          |          | Ц               |  |
|          | 102<br>103   | L        |          |              |                    |                                     |   |          |          |                 |  |
|          | 103  | _        |          |              |                    |                                     |   |          |          |                 |  |
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| -        | 105  |          |          |              |                    |                                     |   |          | _        | _               |  |
|          | 106  |          | -        | $\vdash$     | _                  | _                                   | _   | _        | _        |                 |  |
|          | 107<br>108   | _        |          |              |                    |                                     |   |          | -        | $\dashv$        |  |
|          | 109  | H        |          |              |                    | H                                   |   |          | -        |                 |  |
|          | 110  | Н        | _        |              |                    | $\vdash$                            |   |          |          | -               |  |
| ļ        | 110<br>111<br>112<br>113<br>114<br>115<br>116        | $\vdash$ | $\vdash$ | H            |                    |                                     | $\vdash$  |          |          | Н               |  |
| <u></u>  | 112  | $\vdash$ | H        |              | $\vdash$           | $\vdash$                            | $\vdash$  |          |          | Н               |  |
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|          | 114  | $\vdash$ | -        |              | _                  | $\vdash$                            | $\vdash$  | Н        | $\vdash$ | $\vdash\vdash$  |  |
| <u> </u> | 115  |          | $\vdash$ | $\vdash$     |                    | $\vdash$                            |   | $\vdash$ | $\vdash$ | $\vdash \vdash$ |  |
|          | 116  | _        | _        | $\vdash$     | _                  | $\vdash$                            | -   |          |          | Н               |  |
| -        | 117  |          |          |              |                    | -                                   | <del>                                     </del>  |          | $\vdash$ | $\vdash$        |  |
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| <b></b>  | 118<br>119<br>120<br>121<br>122<br>123<br>124<br>125 | $\vdash$ | -        |              |                    | -                                   | H   | $\vdash$ | $\vdash$ | Н               |  |
|          | 121  |          |          |              |                    |                                     |   |          | $\vdash$ | Н               |  |
| <b></b>  | 122  |          |          |              |                    |                                     |   |          | -        | П               |  |
|          | 123  | $\vdash$ | _        |              |                    | $\vdash$                            |   | _        | $\vdash$ |                 |  |
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|          | 125  |          |          | -            | _                  | ┢                                   |   | $\vdash$ | _        |                 |  |
|          | 126<br>127<br>128                                    |          |          |              |                    | ┪                                   |   | $\vdash$ | $\vdash$ |                 |  |
|          | 127  |          |          | _            |                    | _                                   |   |          | Г        | П               |  |
| <u> </u> | 128  |          |          |              |                    |                                     |   |          |          |                 |  |
|          | 129  |          |          |              |                    |                                     |   | Г        |          |                 |  |
|          | 129<br>130<br>131                                    |          |          |              |                    |                                     |   |          |          |                 |  |
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|          | 132<br>133   |          |          |              |                    |                                     |   |          |          | П               |  |
|          | 134  |          |          |              |                    |                                     |   |          |          |                 |  |
|          | 134<br>135   |          |          |              |                    |                                     |   |          |          |                 |  |
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|          | 138  |          |          |              |                    |                                     |   |          |          |                 |  |
|          | 139  | 匚        |          |              |                    |                                     |   |          |          |                 |  |
|          | 140  | <u> </u> |          |              | L                  |                                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$   |          |          |                 |  |
|          | 141  |          |          |              |                    |                                     | $\Box$  | L_       |          |                 |  |
| L        | 142  | _        | <u> </u> | L            | _                  | $oxed{oxed}$                        | oxdot   | <u> </u> | <u> </u> | Ш               |  |
|          | 143  |          | L_       |              | _                  |                                     | $ldsymbol{ld}}}}}}$ | <u> </u> | L.       | Ш               |  |
|          | 144  | <u> </u> | _        | $oxed{oxed}$ | $oxedsymbol{oxed}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |   |          | <u> </u> | Ш               |  |
|          | 145  | _        |          |              | <u></u>            | $oxed{oxed}$                        | <u> </u>  | <u> </u> |          | Щ               |  |
| L        | 146  | _        |          | L_           | L                  |                                     | _   | <u> </u> | Щ.       | Ш               |  |
|          | 147  | <u> </u> | _        | L_           | _                  | $oxed{oxed}$                        | <u> </u>  | <u>L</u> | L_       | Щ               |  |
| L        | 148  | <u> </u> | L.       | L            |                    |                                     |   | <u> </u> | L.       | Щ               |  |
| L        | 149  | <u> </u> | <u>_</u> |              | $oxedsymbol{oxed}$ | Ш                                   | $oxed{oxed}$  | <u> </u> | <u> </u> | Ш               |  |
| L        | 150  |          |          |              |                    |                                     |   | L        |          | Ш               |  |